

Please amend the claims as follows:

Claim 1 (currently amended): A method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse, which comprises transferring a first recombinant DNA in which a first promoter, a gene having recombinase recognition sequences on both ends, and a fluorescence protein gene of a target cell differentiated from an embryonic stem cell strongly expressed by the said first promoter are arranged in this order from a 5' side, and the first promoter makes the ~~selective marker gene~~ fluorescence protein gene express, and a second recombinant DNA in which a second promoter specifically expressing in a target cell differentiated from an embryonic stem cell, and a recombinase- expressing gene are arranged in this order from a 5' side, respectively, with an adenovirus vector as an episomal form into an embryonic stem cell.

Claim 2 (previously presented): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, wherein the recombinase recognition sequence is loxP.

Claim 3 (previously presented): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, where the first promoter is a constitutive strong expression promoter.

Claim 4 (previously presented): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 3, wherein the constitutive strong expression promoter is a CA promoter.

Claim 5 (canceled)

Claim 6 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, wherein the recombinase-expressing gene is a recombinase-expressing gene.

Claim 7 (currently amended): The method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse according to claim 1, ~~wherein~~ wherein the second promoter is a Nkx2.5 gene promoter.

Claims 8-13 (canceled)

Claim 14 (original): An embryonic stem cell in which the first recombinant DNA as defined in claim 1 is transferred.

Claim 15 (original): The embryonic stem cell in which the second recombinant DNA as defined in claim 1 is transferred.

Claim 16 (original): The embryonic stem cell in which the first recombinant DNA and the second recombinant DNA as defined in claim 1 are transferred, respectively.

Claim 17 (original): The embryonic stem cell according to any one of claim 14 to claim 16, wherein the embryonic stem cell is derived from a mouse.

Claim 18 (currently amended): ~~A first vector~~ An adenovirus vector for transferring a gene, which comprises the first recombinant DNA as defined in claim ~~8~~ 1.

Claims 19-20 (canceled)

Claim 21 (currently amended): ~~A second vector~~ An adenovirus vector for transferring a gene, which comprises the second recombinant DNA as defined in claim 11.

Claims 22-23 (canceled)

Claim 24 (currently amended): A kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse, which comprises the ~~first~~ adenovirus vector for transferring a gene as defined in claim 18, and the ~~second~~ adenovirus vector for transferring a gene as defined in claim 21.

Claims 25-26 (canceled)

Claim 27 (currently amended): The kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse, which comprises the embryonic stem cell as defined in claim 14, and the ~~second~~ adenovirus vector for transferring a gene as defined in claim 21.

Claims 28-29 (canceled)

Claim 30 (currently amended): The kit for isolation or visualization used in a method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse, which comprises the ~~first~~ adenovirus vector for transferring a gene as defined in claim 18, and the embryonic stem cell as defined in claim 15.

Claims 31-32 (canceled)

Claim 33 (previously presented): A cell obtained by the method for selectively isolating or visualizing a target cell in vitro differentiated from an embryonic stem cell of human, monkey or mouse as defined in claim 1.

Claim 34 (original): The cell according to claim 33, wherein the cell is a cell obtained by using a Nkx2.5 gene promoter as the second promoter.

Claim 35 (canceled)

Claim 36 (original): A tissue, which comprises the cell as defined in claim 33.

Claims 37-38 (canceled)